Index of Claims

| Application/Control No. |
|-------------------------|
|-------------------------|

10/025,161 Examiner

WEBER, BARRY JAY

Applicant(s)/Patent under Reexamination

Art Unit

Jinsong Hu

2154

| <b>√</b> | Rejected |
|----------|----------|
|          | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                        | im   | Date               |          |              |               |                                     |              |  |                |          |   |  |
|----------------------------|--|--------------------|----------|--------------|---------------|-------------------------------------|--------------|--|----------------|----------|---|--|
| Final                      | Original                                     | 5/22/07            |          |              |               |                                     |              |  |                |          |   |  |
| 1                          | 1  | Ī                  | $\vdash$ |              | 1             |                                     | $\vdash$     |  | $\vdash$       |          |   |  |
| 2                          | 2  | Ħ                  |          |              |               |                                     |              |  |                |          |   |  |
| 3                          | 3  | T                  |          |              |               |                                     |              |  |                |          |   |  |
| 2<br>3<br>4<br>5           | 1<br>2<br>3<br>4<br>5                        |                    |          |              |               |                                     |              |  |                |          |   |  |
| 5                          | 5  |                    |          |              |               |                                     |              |  |                |          |   |  |
| 6<br>7                     | 6<br>7                                       | П                  |          |              |               |                                     |              |  |                |          | l |  |
| 7                          | 7  |                    |          |              |               |                                     |              |  |                |          |   |  |
| 8                          | 8  |                    |          |              |               |                                     |              |  |                |          |   |  |
| 9<br>10                    | 9  | $\perp$            |          |              |               |                                     |              |  |                |          |   |  |
| 10                         | 10   | Ц                  |          |              |               | <u> </u>                            | <u> </u>     |  | L_             |          | l |  |
| 11                         | 11   | Ц                  | _        |              |               | <u> </u>                            | L            | _  | _              |          |   |  |
| 12                         | 12   | $oldsymbol{\perp}$ | <u> </u> | <u> </u>     | <u> </u>      | <u> </u>                            | <b> </b>     | <u> </u>   | <u> </u>       |          |   |  |
| 13                         | 13   | $oldsymbol{\perp}$ | ļ        | <u> </u>     | <u> </u>      | <u> </u>                            | <u> </u>     | <u> </u>   | _              | Щ        | l |  |
| 11<br>12<br>13<br>14<br>15 | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | $\sqcup$           | <u> </u> | <u> </u>     | _             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _            | <u> </u>   |                | L.       | l |  |
| 15                         | 15   | ₩                  | ļ.       | ⊢            | ├-            | <u> </u>                            | <u> </u>     | <u> </u>   | _              | $\vdash$ | l |  |
| 16<br>17<br>18             | 16   | $\vdash$           | _        | <u> </u>     | <u> </u>      | <u> </u>                            | <u> </u>     | <u> </u>   | <u> </u>       | <u> </u> | l |  |
| 17                         | 17   | $\sqcup$           | _        | <del> </del> | <u> </u>      | _                                   | _            |  | _              |          | l |  |
| 19                         | 18   | ₩                  | <u> </u> |              | -             | _                                   | _            |  | ├              | -        | ł |  |
| 19                         | 20   | >                  | _        | -            | $\vdash$      | -                                   |              | -  | <del>  -</del> |          | ł |  |
|                            | 20<br>21                                     | -                  |          | ├            | ├             | ├                                   | <del> </del> |  | _              |          | ł |  |
|                            | 22   |                    | ├-       | $\vdash$     | ┢             | -                                   | -            | -  | ├              |          | ł |  |
|                            | 22<br>23                                     |                    | ┢        | ┝            | -             | -                                   | ┝─           | -  | $\vdash$       | -        |   |  |
|                            | 24   | -                  | $\vdash$ | ┢            |               | $\vdash$                            | $\vdash$     |  | $\vdash$       | $\vdash$ |   |  |
|                            | 24<br>25                                     | _                  |          | $\vdash$     |               | -                                   | $\vdash$     |  | _              | $\vdash$ |   |  |
|                            | 26   |                    |          | $\vdash$     | $\vdash$      | $\vdash$                            | Ι            |  |                |          | l |  |
|                            | 27   |                    |          |              |               | _                                   |              |  |                |          |   |  |
|                            | 28   |                    |          |              |               |                                     |              |  |                |          |   |  |
|                            | 28<br>29<br>30                               |                    |          |              |               |                                     |              |  |                |          |   |  |
|                            | 30   | Г                  |          |              |               |                                     |              | Г  |                |          | l |  |
|                            | 31   |                    |          |              |               |                                     |              |  |                |          | ١ |  |
|                            | 32   |                    |          |              |               |                                     |              |  |                |          |   |  |
|                            | 31<br>32<br>33                               |                    |          |              |               |                                     |              |  |                |          |   |  |
|                            | 34<br>35                                     |                    |          | L            |               |                                     |              | 匚  |                |          |   |  |
|                            | 35   |                    |          | Ĺ            | <u> </u>      |                                     |              | $\Box$   | L              |          |   |  |
|                            | 36   | <u>L</u>           |          |              | L             | <u> </u>                            | _            | <u> </u>   |                | Ш        |   |  |
|                            | 37   |                    |          | L            |               |                                     |              | <u> </u>   |                |          |   |  |
|                            | 38   | <u> </u>           | L_       | <u> </u>     | <b> </b>      | <u> </u>                            | _            | <u> </u>   | L              | Щ        |   |  |
|                            | 39   | <u> </u>           | L        | ļ            | ļ             | <u> </u>                            | <u> </u>     | <u> </u>   | Ш              | Щ        |   |  |
|                            | 40   |                    | _        | <u> </u>     | <u> </u>      | $\vdash$                            | _            | <u> </u>   |                | Щ        |   |  |
|                            | 41   |                    | _        | <u> </u>     | $\vdash$      | $\vdash$                            | _            | <u> </u>   |                | Ш        |   |  |
|                            | 42<br>43                                     | -                  |          | <u> </u>     | $\vdash$      | H                                   | <u> </u>     | ļ  |                |          |   |  |
|                            | 44   |                    |          | <u> </u>     | $\vdash$      |                                     | -            | <del> </del>                                     | _              | $\vdash$ | l |  |
|                            | 45   | H                  | H        | $\vdash$     | $\vdash$      | $\vdash$                            |              |  |                | -        | l |  |
|                            | 46   |                    | Ь        | $\vdash$     | ├             | -                                   |              | <u> </u>   |                | Н        |   |  |
|                            | 47   |                    |          | _            | <del> </del>  | H                                   |              | -  | _              | $\vdash$ |   |  |
|                            | 48   | $\vdash$           |          |              | $\vdash$      |                                     |              | <u> </u>   |                | $\vdash$ |   |  |
|                            | 49   | -                  | $\vdash$ | $\vdash$     | $\vdash$      |                                     | $\vdash$     | <del>                                     </del> | $\vdash$       | $\vdash$ |   |  |
|                            | 50   | -                  | _        | $\vdash$     | <del>  </del> |                                     | -            | <del> </del>                                     | $\vdash$       | Н        | ı |  |

| Cla         | im                    | Date    |           |               |          |          |          |          |  | ]  | Cla  | aim | Date  |          |          |          |   |   |  |  |  |          |          |
|-------------|-----------------------|---------|-----------|---------------|----------|----------|----------|----------|--|--|--|-----|-------|----------|----------|----------|---|---|--|--|--|----------|----------|
|             | Original              | 5122107 |           |               |          |          |          |          |  |  |  |     | Final | Original |          |          |   |   |  |  |  |          |          |
|             | 1                     | I       | 1         |               | -        | ┢        | -        |          |  | $\vdash$   |  |     |       | 51       |          |          |   | _ |  |  |  | $\vdash$ | Н        |
|             | 1<br>2<br>3<br>4<br>5 | П       | 1         |               |          |          |          |          |  |  |  |     |       | 52       |          | -        |   |   |  |  |  | П        |          |
|             | 3                     | П       | 7         |               |          | Г        |          |          |  |  |  | 1   |       | 53       |          |          |   |   |  |  |  |          |          |
|             | 4                     | П       | 1         |               |          |          |          |          |  |  |  | 1   |       | 54       | М        |          |   |   |  |  |  | $\vdash$ | П        |
|             | 5                     | П       | 1         |               |          |          |          |          |  | _  |  | 1   |       | 55       |          |          |   |   |  |  | T  |          | П        |
|             | 6                     | П       | 1         |               |          |          |          |          |  | $\vdash$   |  | 1   |       | 56       | П        |          | _ | _ |  |  |  | Г        | П        |
|             | 7                     | П       | 1         |               |          |          |          |          |  | ┰  |  | 1   |       | 57       |          |          |   |   |  |  |  | П        | Н        |
|             | 8                     | П       | 7         |               |          | Г        |          |          |  |  |  | 1   |       | 58       | П        |          |   |   |  |  | -  | Г        | Н        |
|             | 9                     | П       | T         |               |          |          |          | $\vdash$ | $\vdash$   | _  |  | 1   |       | 59       | Н        |          |   |   |  |  |  | Г        | П        |
| 5           | 10                    | П       | П         |               |          |          |          |          |  | T  |  | 1   |       | 60       | П        |          |   | _ |  |  |  | Т        | П        |
| 1           | 11                    | П       | H         |               |          |          |          |          |  | Ι  |  | 1   |       | 61       | П        |          | _ |   | l –  |  | Г  | $\vdash$ |          |
|             | 12                    | П       | Ħ         |               |          |          |          |          |  | <del> </del>                                     | 1  | 1   |       | 62       | П        |          |   |   | _  |  |  | П        | Н        |
| 3           | 13                    | П       | H         |               |          |          | T        | <u> </u> |  | T  |  | 1.  |       | 63       | П        |          |   |   |  |  |  | П        | Н        |
| 2<br>3<br>4 | 14                    | П       | H         |               |          |          | Г        |          |  | Г  | Т  | 1   |       | 64       | Ш        |          |   |   | Г  | Т  | $\vdash$   | ऻ        | Н        |
|             | 15                    | П       | Ħ         |               | _        |          |          |          |  |  |  | 1   |       | 65       | П        |          |   |   |  |  |  | $\vdash$ | Н        |
| 5<br>3<br>7 | 16                    | П       | H         | •             |          |          |          |          |  |  |  | 1   |       | 66       | П        |          |   |   | i  |  |  | Г        | М        |
| 7           | 17                    |         | Ħ         |               |          |          |          |          |  | Т  | $\vdash$   | 1   |       | 67       | П        |          |   |   |  | <b>-</b>   | <u> </u>   | П        |          |
| 3           | 18                    |         | Ħ         | $\overline{}$ |          | Г        |          |          |  | T  |  | 1   |       | 68       |          |          |   |   |  |  | <del>                                     </del> |          | П        |
| <u>س</u> ا  | 19                    | 1"      | 4         |               |          | $\vdash$ |          |          |  | T  |  | 1   |       | 69       | П        |          | _ |   | ┪  |  |  | _        | Н        |
|             | 20                    |         | 1         |               |          |          | -        | _        |  | _  |  | 1.  |       | 70       | П        |          |   |   |  |  |  | П        | Н        |
|             | 21                    |         | 1         |               |          |          | $\vdash$ |          |  |  |  | 1   |       | 71       |          |          |   |   |  |  |  |          | Н        |
| _           | 22                    |         | 1         |               |          |          |          | -        |  | ┪  | _  | 1   |       | 72       | П        |          |   |   |  |  |  | Т        | Н        |
|             | 23                    |         | 1         |               | -        |          |          |          | _  | $\vdash$   | Т  | 1   |       | 73       | Н        |          |   |   | ┢  | <del></del>                                      | <u> </u>   | _        | Н        |
|             | 24                    | -       | †         |               | -        |          | $\vdash$ |          |  |  | T  | 1   |       | 74       |          |          |   | _ | $\vdash$   |  |  |          | H        |
| _           | 24<br>25              | _       | 1         |               | _        |          |          |          |  | ┢  | $\vdash$   | 1   |       | 75       | Н        |          |   |   | _  | _  |  |          | H        |
|             | 26                    | _       | †         |               | -        | -        | $\vdash$ | _        |  |  | $\vdash$   | 1   |       | 76       | Н        |          | _ |   | -  |  | $\vdash$   | $\vdash$ | Н        |
|             | 27                    | Т       | †         | $\neg$        | -        |          | _        | _        |  | $\vdash$   |  | 1 1 |       | 77       |          |          |   |   | $\vdash$   |  | -  |          | Н        |
|             | 28                    | Н       | †         |               | -        |          |          |          | _  | $\vdash$   | _  | 1   |       | 78       | H        |          |   |   | ┢  |  |  |          | H        |
|             | 29                    | Н       | †         |               |          |          | -        |          | _  | $\vdash$   | 一  | 1   |       | 79       | H        |          |   |   | $\vdash$   |  | -  |          | $\vdash$ |
|             | 30                    | Т       | †         | $\neg$        |          |          |          |          | $\vdash$   | $\vdash$   | <del> </del>                                     |     |       | 80       | Н        |          |   |   | $\vdash$   | T  |  |          | H        |
| _           | 31                    | Н       | †         |               |          |          |          |          |  |  | _  |     |       | 81       | $\vdash$ |          |   | _ | $\vdash$   |  |  |          | H        |
|             | 32                    | _       | 7         | -             |          |          |          |          |  |  | $\vdash$   |     |       | 82       | Н        |          | _ | _ | _  |  | <u> </u>   |          | H        |
|             | 33                    | Т       | $\dagger$ |               |          | $\vdash$ | $\vdash$ |          | <u> </u>   | l  |  |     |       | 83       |          |          |   | - |  | Т  | $\vdash$   |          | Н        |
| _           | 34                    | Г       | †         |               |          |          |          |          | $\vdash$   | $\vdash$   |  | 1   |       | 84       | H        | $\neg$   |   |   |  | 1  |  |          | Н        |
| _           | 35                    | Г       | †         |               |          |          |          | _        | Г  | <u> </u>   | <del>                                     </del> |     |       | 85       | Н        |          |   |   |  | $\vdash$   | ⇈  |          | $\dashv$ |
|             | 36                    | Т       | †         |               |          | $\vdash$ |          |          | Г  | T -  | T  | 1   |       | 86       |          | -        |   |   | _  | $\vdash$   |  | $\vdash$ | $\dashv$ |
|             | 37                    | Г       | $\dagger$ |               |          | Ι        | Т        |          |  |  | $\vdash$   | 1   |       | 87       |          | $\neg$   |   |   | $\vdash$   | $\vdash$   | <del>                                     </del> |          | Н        |
|             | 38                    | Т       | †         |               |          | <b>-</b> | <b></b>  |          | $\vdash$   | <del>                                     </del> | 1  | 1   |       | 88       | Н        |          |   |   | $\vdash$   | $\vdash$   | Т  | $\vdash$ | Н        |
|             | 39                    | Т       | †         |               | П        | <u> </u> | $\vdash$ |          |  | İ  |  | 1   |       | 89       | $\vdash$ | $\dashv$ |   | - |  | <u> </u>   |  | Н        | $\dashv$ |
|             | 40                    | Г       | 1         | _             |          | <u> </u> | $\vdash$ | $\vdash$ | <del>                                     </del> |  | $\vdash$   | 1   |       | 90       | $\vdash$ | ᅱ        | _ | _ | $\vdash$   | $\vdash$   | $\vdash$   | Н        | $\dashv$ |
|             | 41                    | _       | †         | 7             | $\vdash$ | $\vdash$ | Н        |          | $\vdash$   |  |  | 1   |       | 91       | $\vdash$ | $\dashv$ |   |   | H  | <del>                                     </del> | $\vdash$   | Н        | H        |
| -           | 42                    | _       | †         | -             | _        | $\vdash$ | Н        | $\vdash$ | $\vdash$   |  |  |     |       | 92       | $\vdash$ | $\neg$   |   |   |  | <del> </del>                                     | $\vdash$   | Н        | $\vdash$ |
|             | 43                    | _       | 1         |               |          |          |          |          | <b></b>  | _  | _  | 1   |       | 93       | $\Box$   |          |   |   | <u> </u>   | $\vdash$   | <del>                                     </del> |          |          |
|             | 44                    | Т       | 1         |               |          |          | <u> </u> | _        | $\vdash$   |  | T  | 1   |       | 94       | $\vdash$ |          |   |   | $\vdash$   | Ι  | <del>                                     </del> |          | $\vdash$ |
|             | 45                    | Т       | †         |               |          |          |          |          | l  | <u> </u>   | $\vdash$   | 1   |       | 95       | Н        |          |   |   | $\vdash$   | <del>                                     </del> |  |          | $\dashv$ |
|             | 46                    | _       | †         | $\exists$     | $\vdash$ | _        | Н        | Н        | T  |  | ı  | 1 , |       | 96       | $\vdash$ | $\dashv$ | _ | _ | <del>                                     </del> | <del>                                     </del> | $\vdash$   | Н        | $\vdash$ |
|             | 47                    |         | 1         |               |          | <u> </u> |          |          |  | $\vdash$   | -  |     |       | 97       | $\vdash$ | $\neg$   |   | - |  | <del>                                     </del> | ┰  | -        | —        |
|             | 48                    |         | +         |               |          |          |          |          | <del>                                     </del> | <u> </u>   | <del>                                     </del> |     |       | 98       | $\vdash$ | $\neg$   |   |   |  | $\vdash$   | $\vdash$   |          |          |
|             | 49                    | Г       | †         | $\exists$     |          |          |          |          |  |  |  | 1   |       | 99       | Н        |          |   |   |  |  | T  | H        |          |
|             | 50                    |         | †         |               |          |          |          |          | $\vdash$   |  | Г  |     |       | 100      | $\vdash$ | $\neg$   | _ |   | _  | _  | Т  | Н        | $\dashv$ |
|             |                       | _       | -         |               |          | نــــا   | ч—       | _        |  | L  |  | , 1 |       |          | ш        |          |   | _ |  | _  |  |          |          |

| Cla   | aim                             | Date   |                    |          |          |          |  |               |              |                |  |  |
|-------|---------------------------------|--|--------------------|----------|----------|----------|--|---------------|--------------|----------------|--|--|
| Final | Original                        |  |                    |          |          |          |  |               |              |                |  |  |
|       | 101<br>102<br>103<br>104        | _  |                    |          | -        | _        | _  | -             |              |                |  |  |
|       | 102                             |  |                    |          |          |          | ·  |               |              |                |  |  |
|       | 103                             | <u> </u>   | _                  | _        |          |          | L  |               |              | Щ              |  |  |
|       | 104                             | <u> </u>   |                    | _        | <u> </u> | _        | <u> </u>   |               |              | Ш              |  |  |
|       | 105                             | _  | _                  |          | _        |          |  |               |              | Щ              |  |  |
|       | 106                             |  |                    | ┡        | -        |          | <del> </del>                                     | -             |              | Н              |  |  |
|       | 107                             | ⊢  |                    |          | -        |          | ├  |               |              | Н              |  |  |
|       | 108                             | -  | -                  | -        | -        | ┝─       |  | -             | ┢            | Н              |  |  |
|       | 111()                           | <del>                                     </del> |                    |          | $\vdash$ | $\vdash$ | _  | <u> </u>      | -            | Н              |  |  |
|       | 111                             | <u> </u>   |                    |          |          |          | $\vdash$   |               |              | П              |  |  |
|       | 111<br>112<br>113               |  | Ľ                  |          |          |          |  |               |              |                |  |  |
|       | 113                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 114                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 114<br>115<br>116               | <u> </u>   | $oxedsymbol{oxed}$ | L        | _        | _        | L  | L             |              | Ш              |  |  |
|       | 116                             | <u> </u>   | _                  |          | <u> </u> | <u> </u> | <u> </u>   | <u> </u>      | <u> </u>     | Щ              |  |  |
|       | 117                             |  |                    |          | L        | <u> </u> | _  |               |              | $\perp$        |  |  |
|       | 118<br>119                      | _  |                    |          |          | -        | -  |               |              | $\vdash$       |  |  |
|       | 120                             | -  | -                  |          | ┢        | ├        | ┢  |               | -            | $\vdash$       |  |  |
|       | 121                             | <del> </del>                                     |                    |          | $\vdash$ | $\vdash$ | $\vdash$   |               |              | $\vdash$       |  |  |
|       | 122                             | <u> </u>   |                    | -        | $\vdash$ |          | <del>                                     </del> |               |              | $\neg$         |  |  |
|       | 120<br>121<br>122<br>123<br>124 |  |                    |          |          |          |  |               |              |                |  |  |
|       | 124                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 125                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 125<br>126<br>127               | <u> </u>   |                    |          |          |          | <u> </u>   |               |              | Щ              |  |  |
|       | 127                             |  | _                  | -        |          |          | ļ  |               |              |                |  |  |
|       | 128<br>129                      | <u> </u>   | $\vdash$           | -        | _        | ┡        | <del> </del>                                     | <u> </u>      |              |                |  |  |
|       | 130                             | -  | -                  |          |          | Н        | $\vdash$   | ┝             |              | $\dashv$       |  |  |
|       | 131                             |  | ┝                  | -        |          | -        |  | -             | -            | $\dashv$       |  |  |
|       | 132                             |  | -                  | -        |          |          | $\vdash$   | ┢             | $\vdash$     | $\dashv$       |  |  |
|       | 133                             |  | $\vdash$           |          |          | _        | _  | ┢             | _            | $\neg$         |  |  |
|       | 133<br>134                      |  |                    |          |          |          |  |               |              | $\Box$         |  |  |
|       | 135                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 136                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 137                             | <u> </u>   | _                  |          |          |          | _  |               |              |                |  |  |
|       | 138                             | _  | <u> </u>           | <u> </u> | ⊢        | <u> </u> | $\vdash$   | _             | <u> </u>     |                |  |  |
|       | 139<br>140                      |  | _                  | -        | ⊢        | _        | $\vdash$   | _             | <u> </u>     | $\vdash\vdash$ |  |  |
|       | 140                             | -  | -                  | ┝        | $\vdash$ | _        | ⊢  | <del> -</del> | <del> </del> | $\vdash$       |  |  |
|       | 142                             |  | -                  | -        |          | $\vdash$ | $\vdash$   | <del> </del>  | ┢            | $\vdash$       |  |  |
|       | 143                             |  | H                  |          |          |          | Ι  |               | -            | Н              |  |  |
|       | 144                             |  |                    |          |          |          |  |               | <b>-</b>     |                |  |  |
|       | 145                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 146                             |  |                    |          |          |          |  |               |              |                |  |  |
|       | 147                             |  |                    | L        |          |          |  |               | Ĺ            |                |  |  |
|       | 148                             | <u> </u>   | H                  | _        |          |          | L  | L             | _            |                |  |  |
|       | 149                             |  | H                  | ļ        | <u> </u> |          | $\vdash$   | <u> </u>      | <u> </u>     |                |  |  |
|       | 150                             |  |                    |          |          |          |  |               | L            |                |  |  |